

10 Feb 1956

**ITEMS TO BE EXPEDITED**

**Hewlett-Packard 909-256-56**

1. Standing wave indicator, 415B
9. Coaxial slotted section, 806B
2. Universal probe carriage, 809B
10. Detector mount, 440A
11. Broad band probe, 442B
12. Broad band probe, untuned, 444A

**General Electric 909-255-56**

1. Relay
2. Relay

**Transistors 909-248-56**

1. 2N43
2. 2N44

**MINIFON (5 hour) recorder**

**Microswitches**

**1M31 Video crystals**

This document is part of an information  
file. If separated from the file, it should be  
subjected to individual information review.

DOC	5	REV DATE	2-12-80	BY	808632
ORIG COMP					
ORIG CLASS					
JUST					

these curves were reprinted from  
curves received from [redacted]

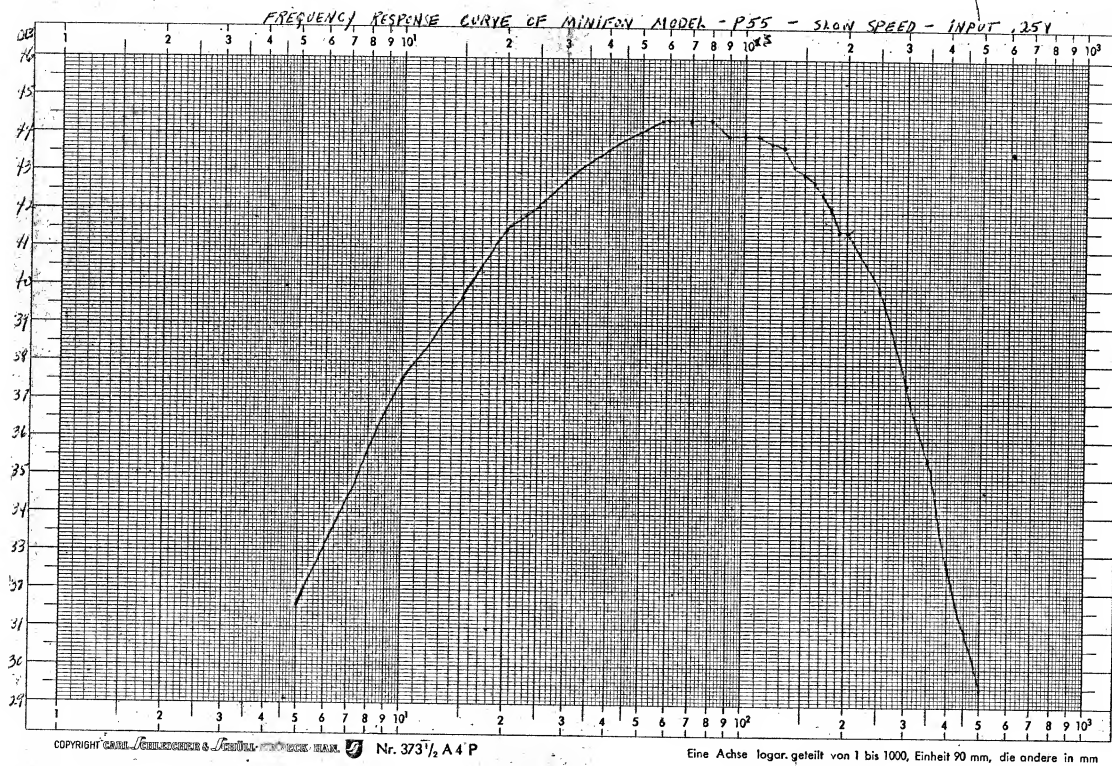
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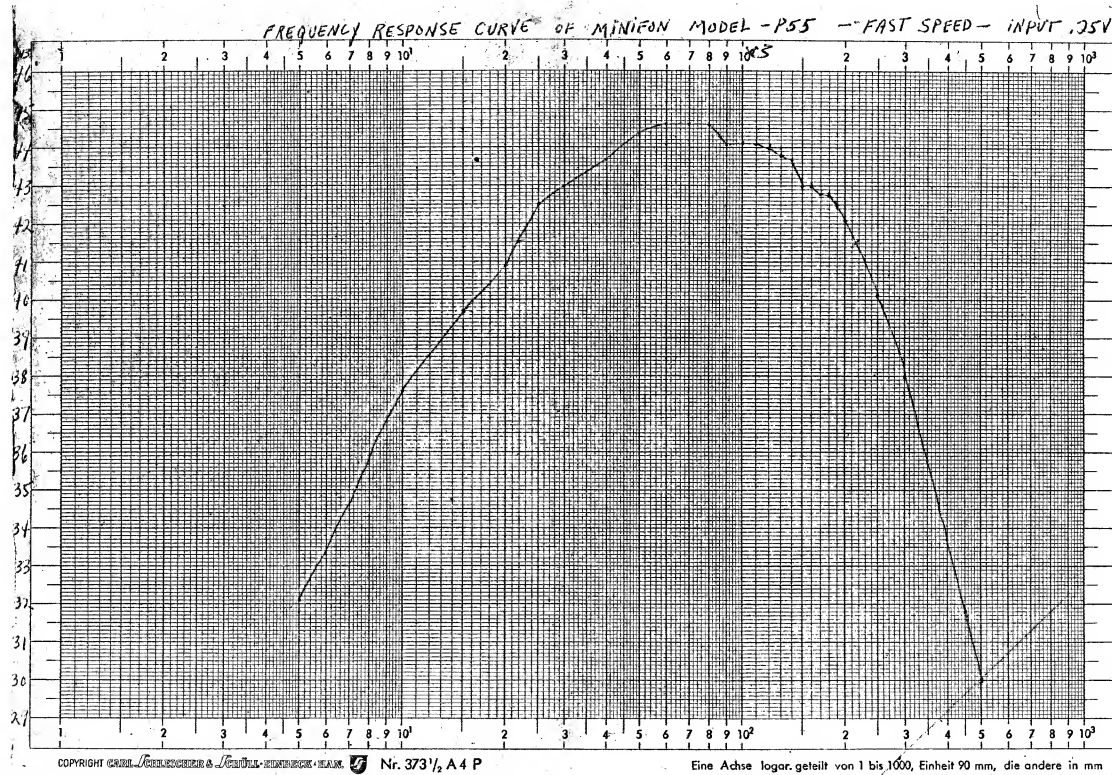
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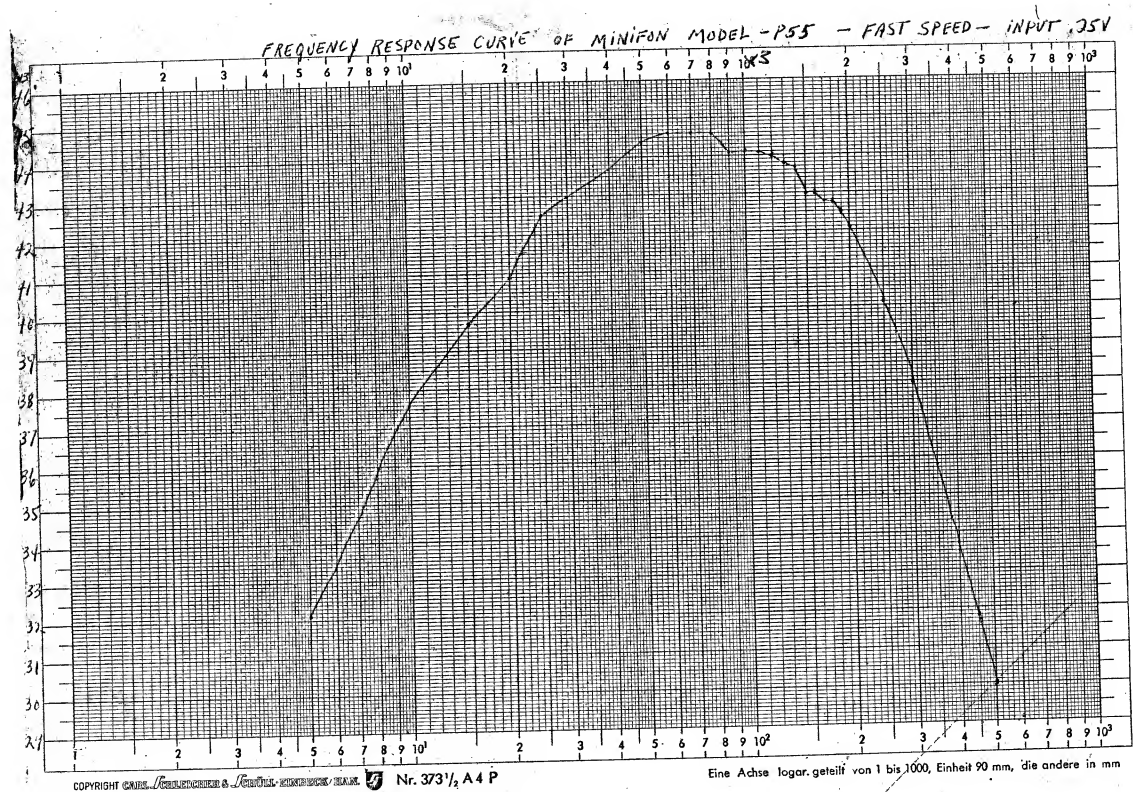
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how the data were taken.

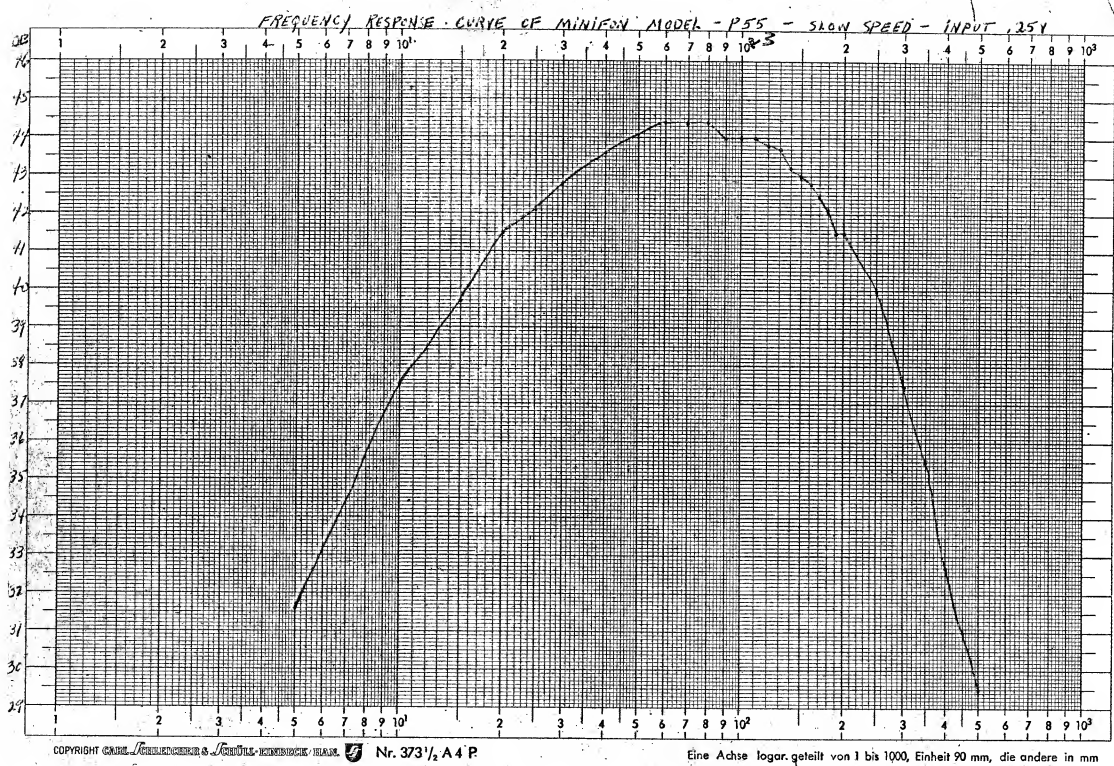
ACS 3 august 56

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file. If separate information is to be  
submitted to management, it should be reviewed.



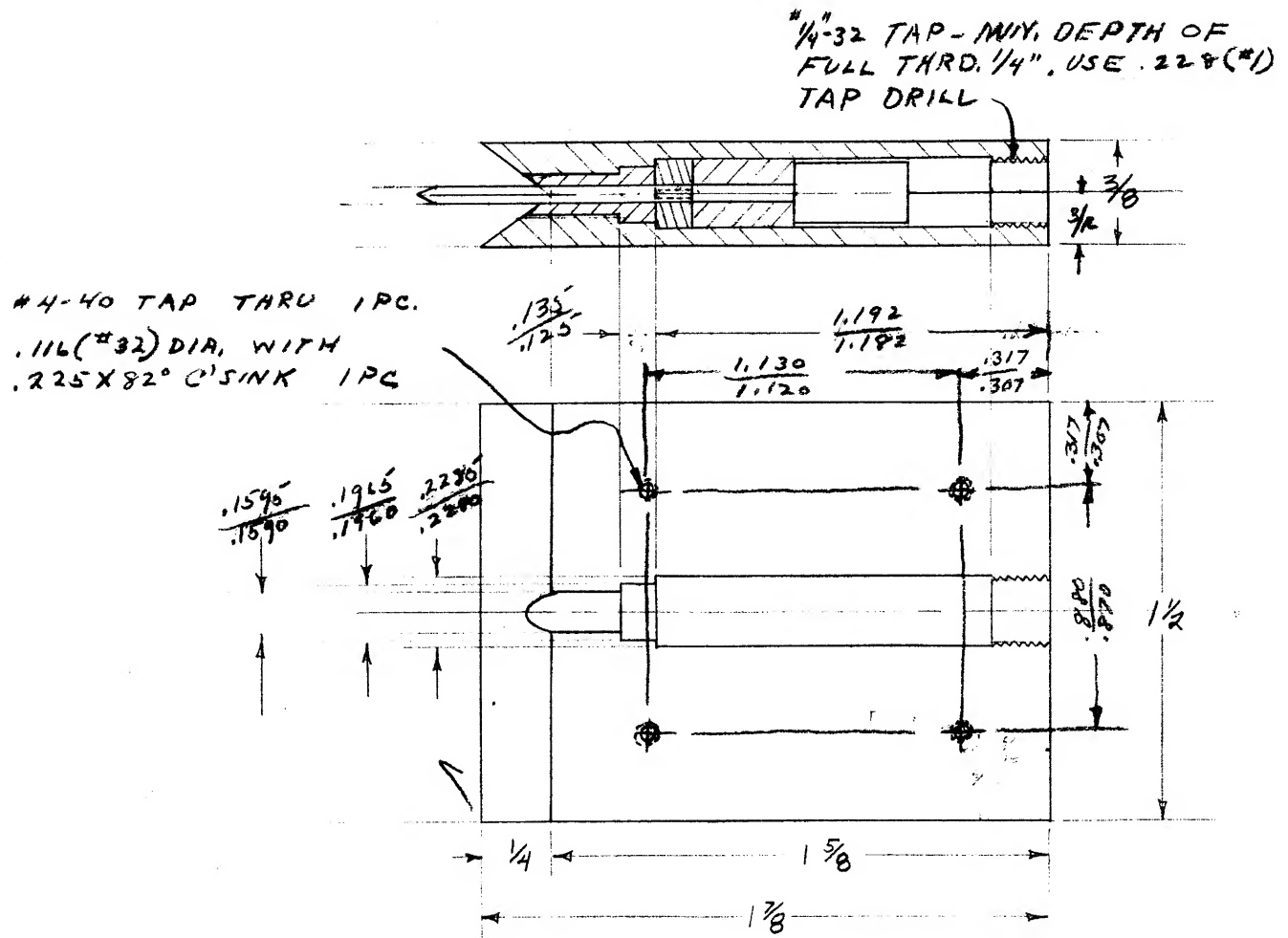


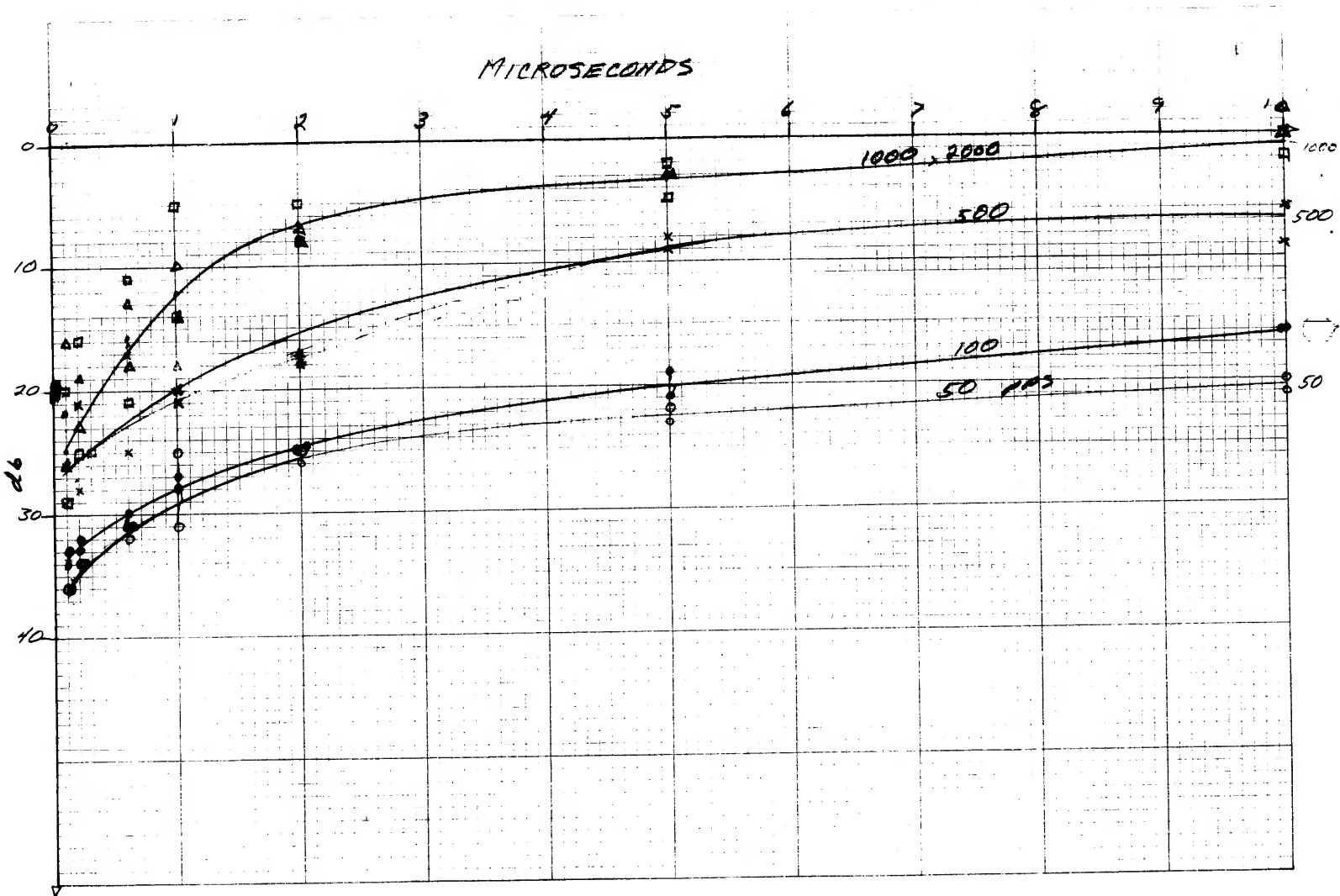




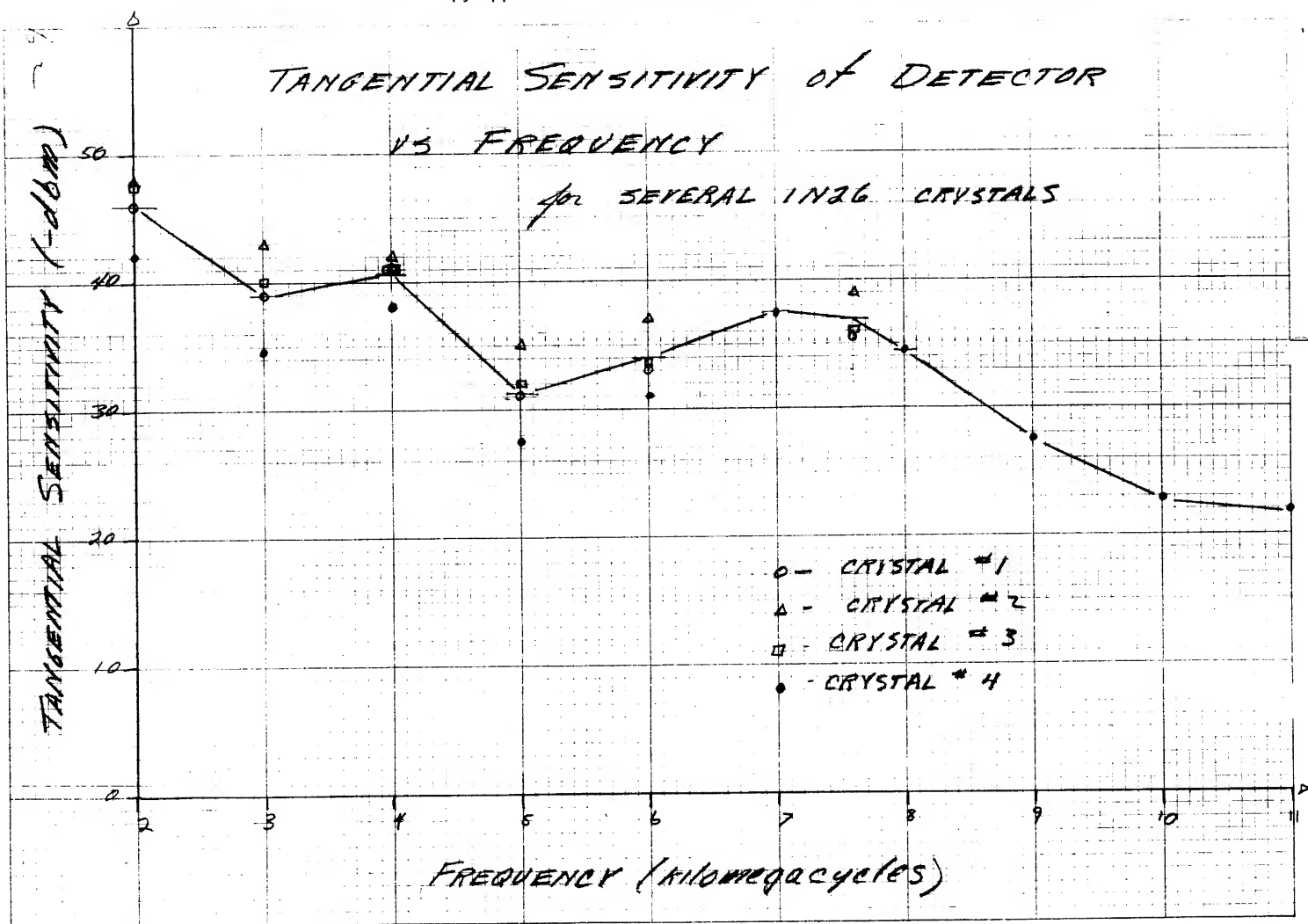
MATERIAL - 2024 T-V

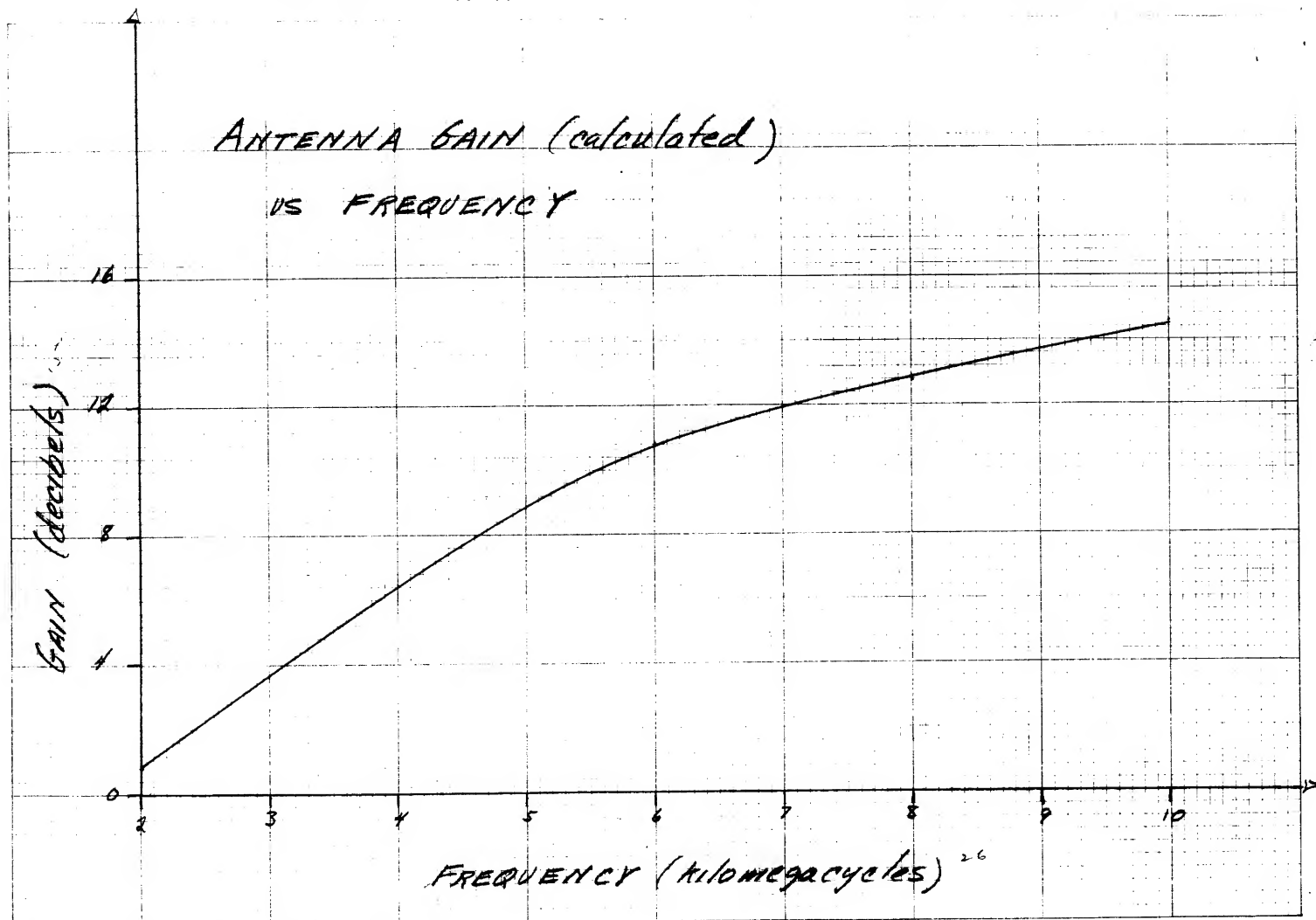
QUAN. - 1

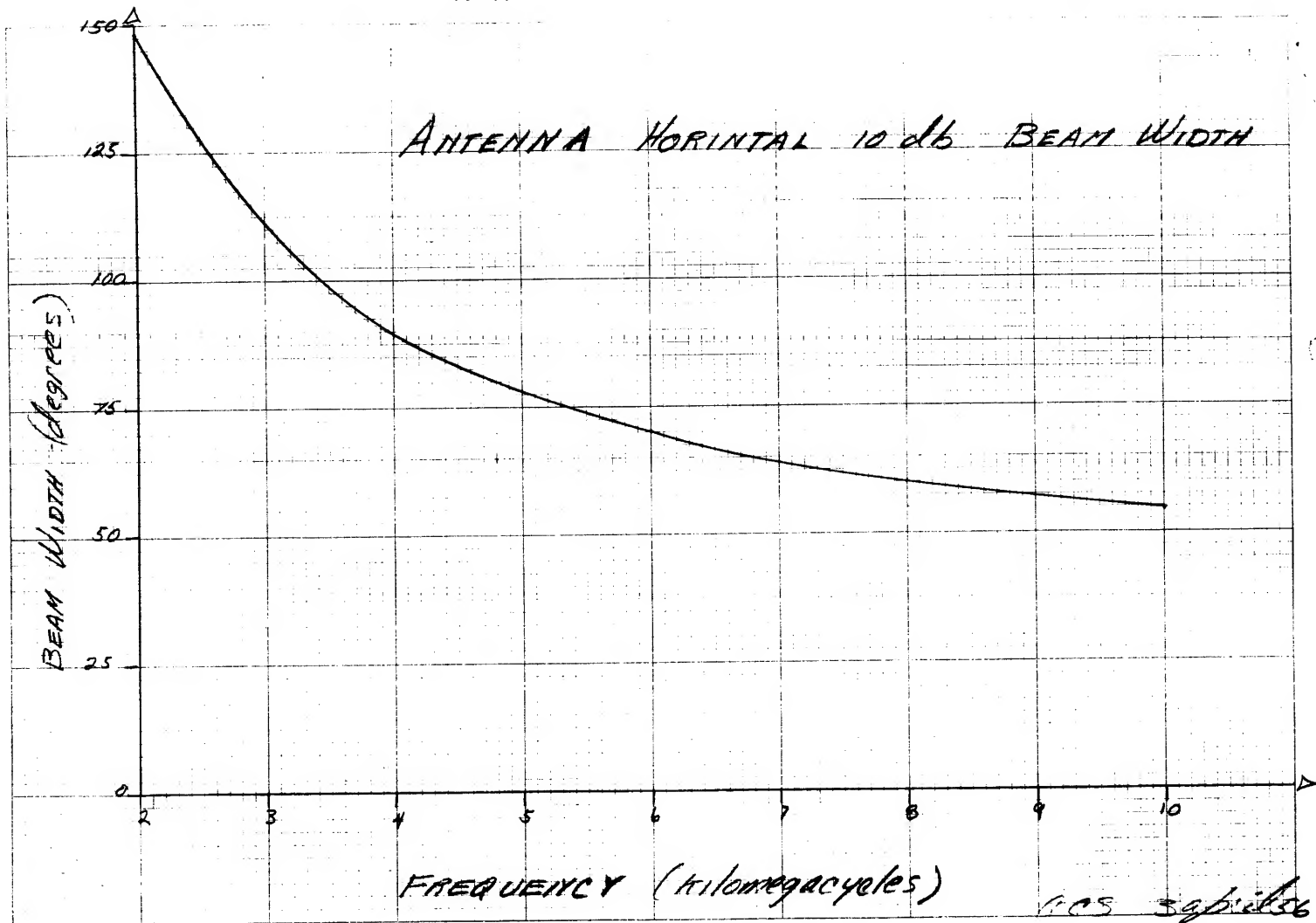


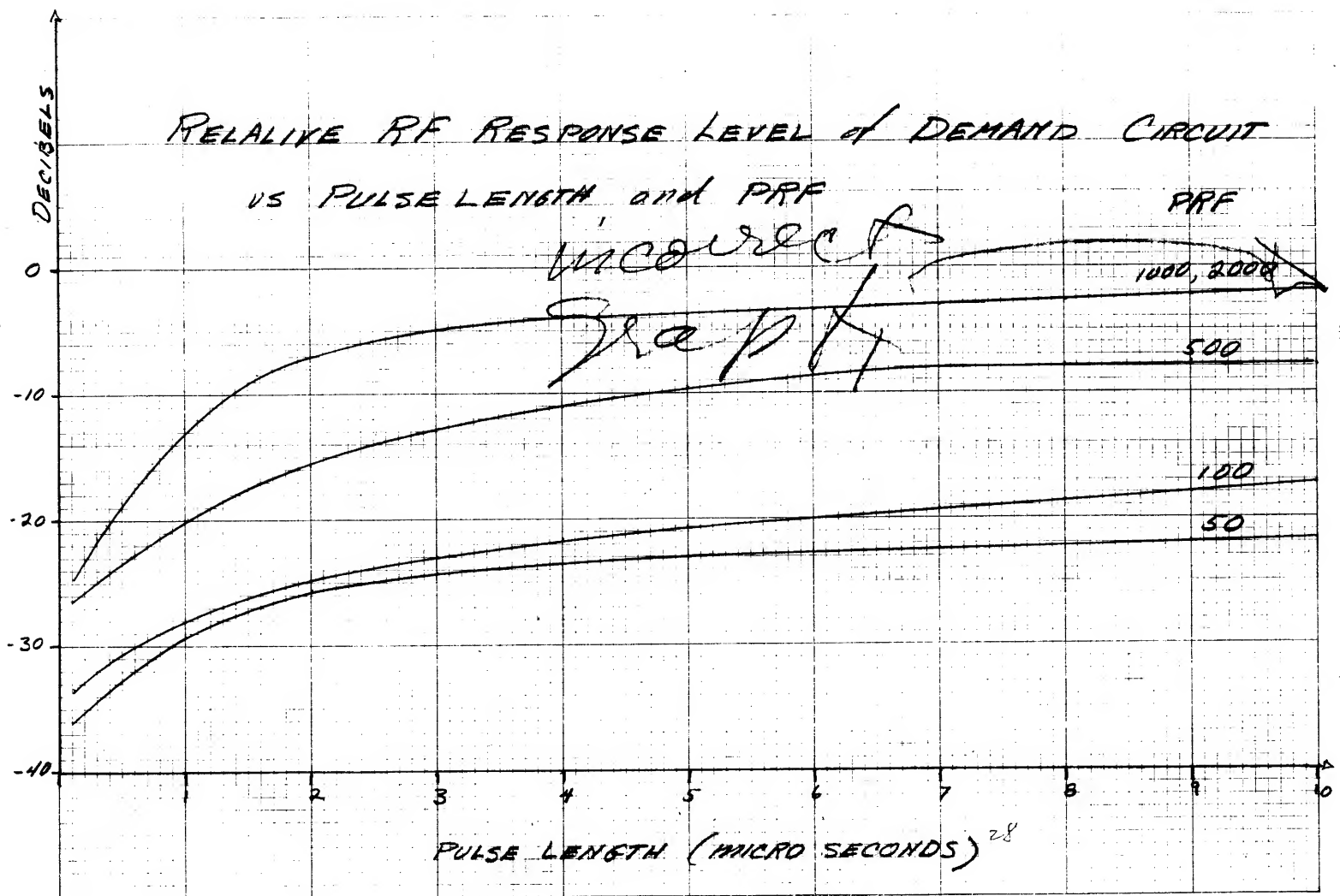


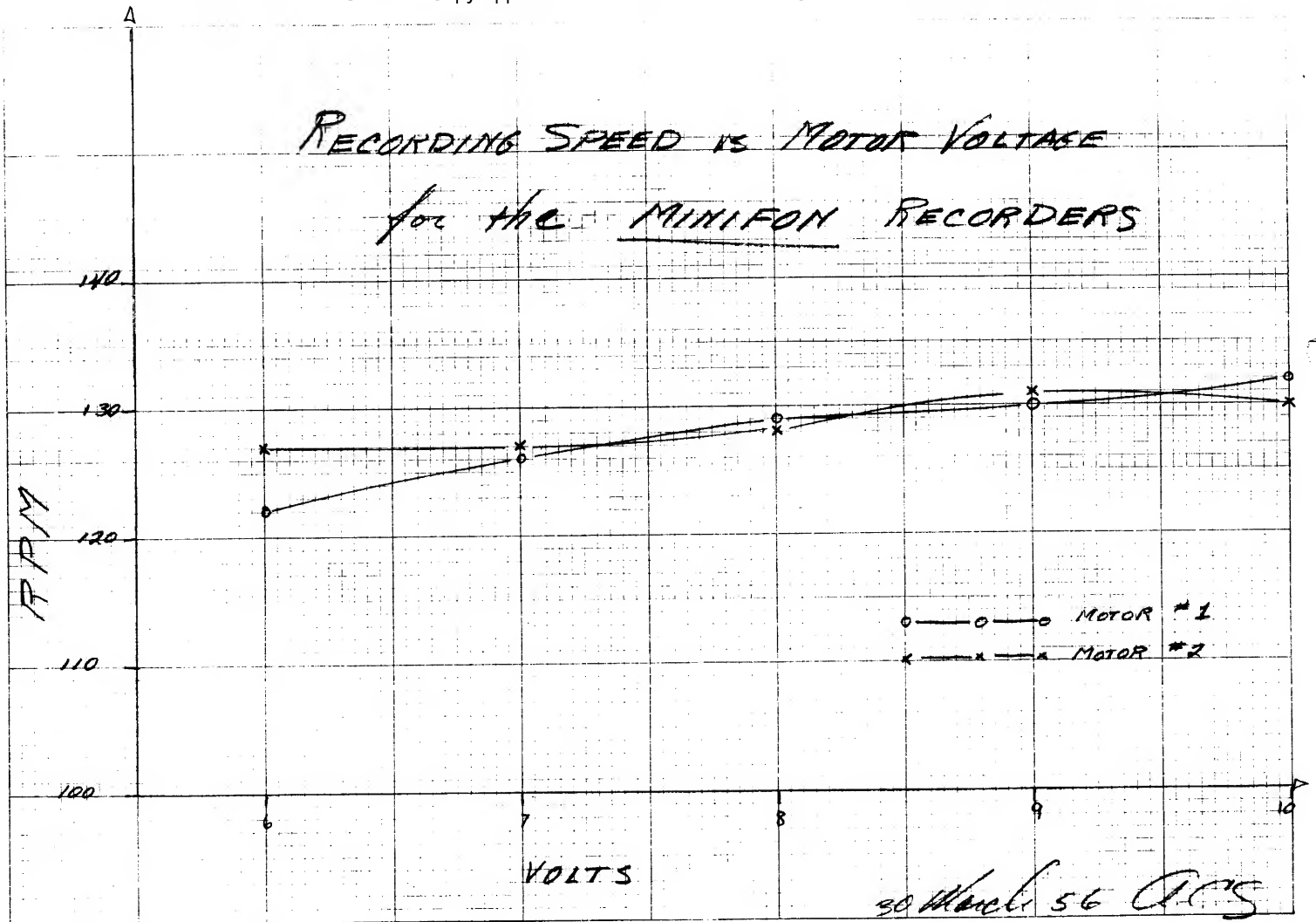


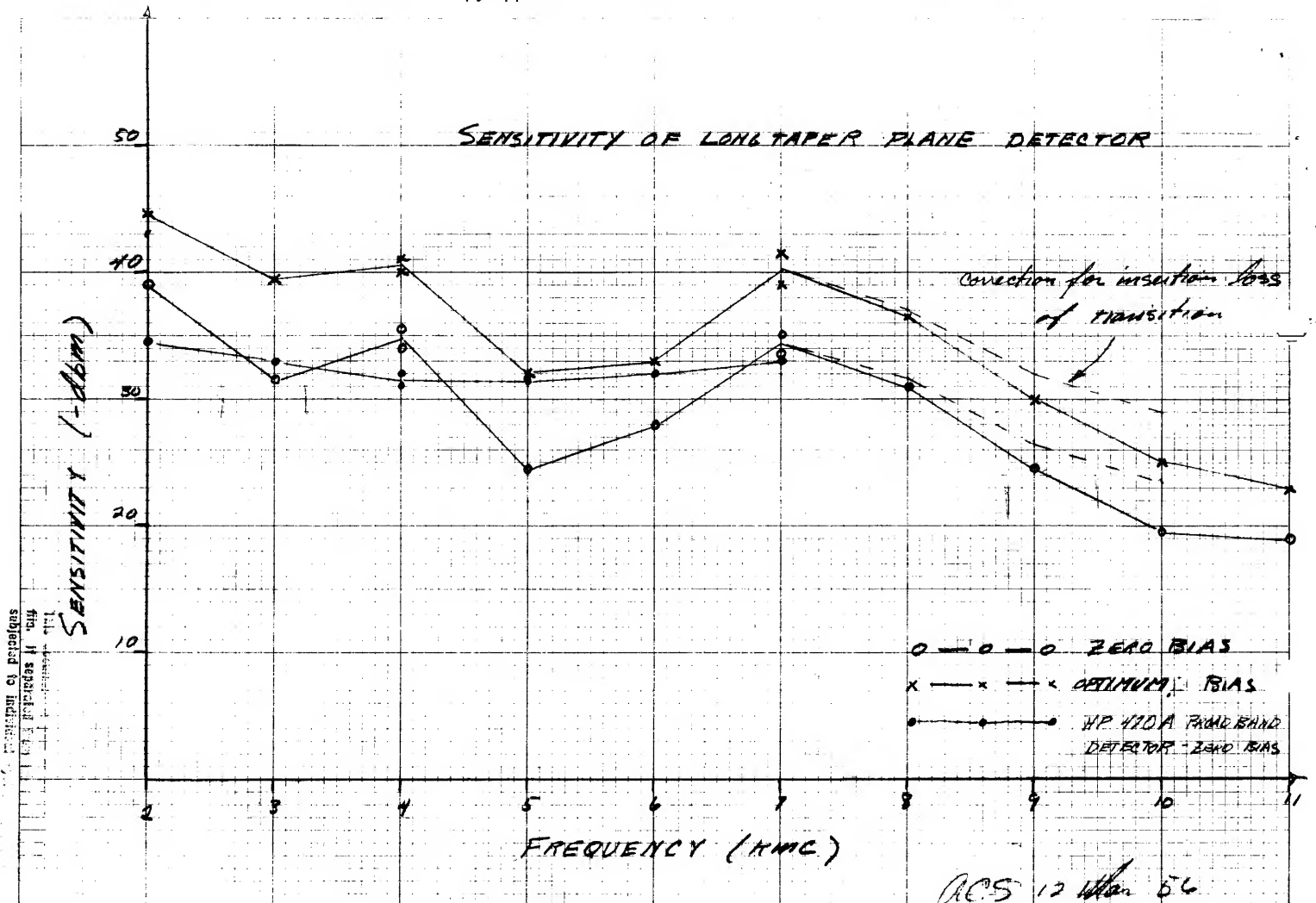












*Demand Circuit*

*ACS*

*18 Feb 1956*

## Demand Circuit

I Sensitivity: It was very difficult to measure the sensitivity of the demand circuit due to the presence of varying and intermittent noise.

The data recorded is a single complete run which was significantly larger than any others.

## II Pulse stretcher:

this is true  
at .25 volts A. \* The 1N56 was used in preference  
not at .15 volts to the 1N67 because when the  
overall shunt to series resistance  
ratio is better with the impedance  
available in the amplifier

B the condensor was chosen to stretch a 1  $\mu$ sec pulse 20 times at 0.1 volts input.

~~$$R = \frac{1}{\frac{1}{80K} + \frac{1}{170K}} = 71K$$~~

~~$$RC = 20 \times 10^{-6}$$~~

~~$$C = 270 \mu\mu f$$~~

1N67

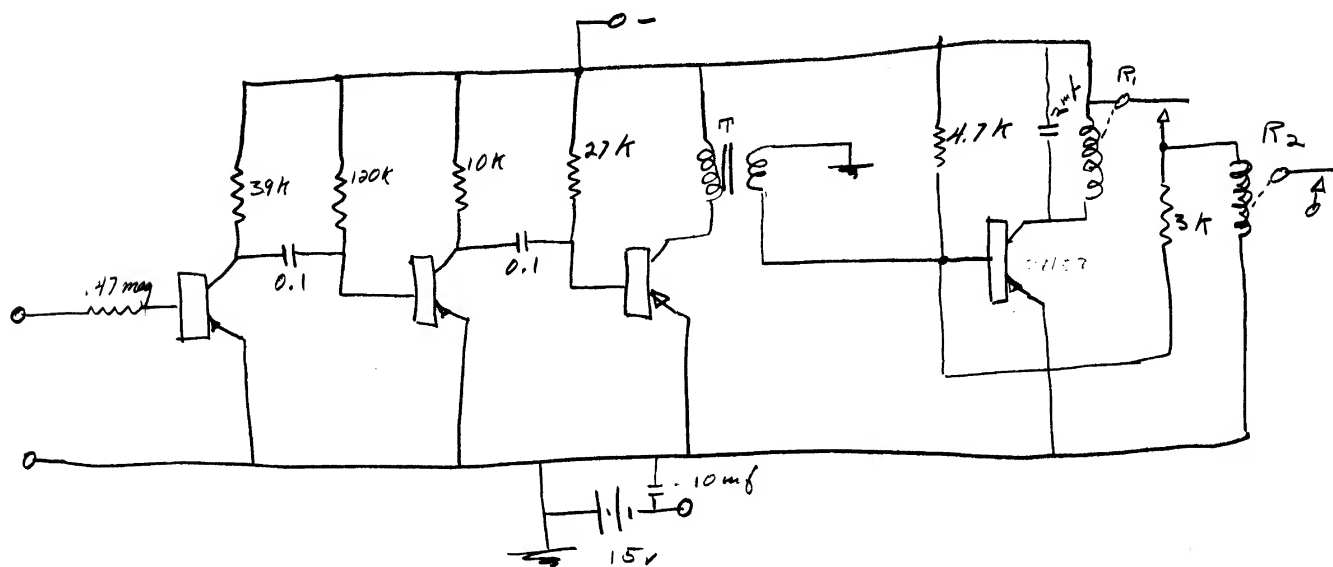
$$R = \frac{1}{\frac{1}{1.8} + \frac{1}{6}} = 180K$$

$$RC = 20 \times 10^{-6}$$

$$C = 110 \approx 100 \mu\mu f$$

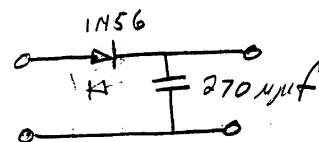


# DEMAND CIRCUIT



$T = 20,000 - 400 \text{ } \Omega$

$R_1, R_2$  Elgin pneumatic relays



ACS 18 feb 1956

MADE IN U.S.A.

